

Y.I. TYPE

(15)

PROFILED DECKS

LITHGOWS 2TH

No 957-8-9

-60-61

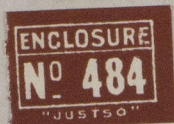


n/n. "ACHED"

<u>Yard No.</u>	<u>Name</u>	<u>First Entry Rpt.No.</u>
957	"EMPIRE RIDLEY" EMPIRE RIDLEY	21638
958	"EMPIRE BAFFIN"	21587
959	"EMPIRE HOWARD"	21645
960	"EMPIRE RANGER"	21746
961	"EMPIRE ZEAL"	21769

DS 287

W1186-0151



J J Kincannon

Contract N°

249/50/51

Boiler

249 sent to

Vickers Armstrong

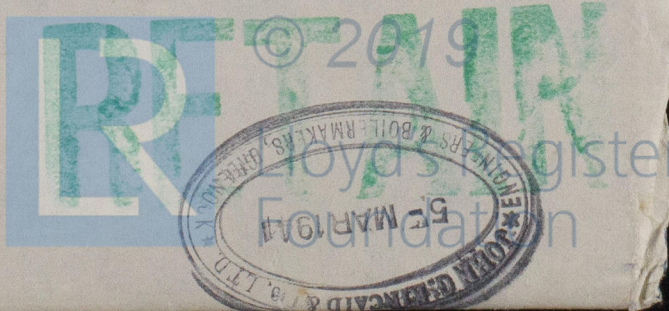
250 Empire Ranger

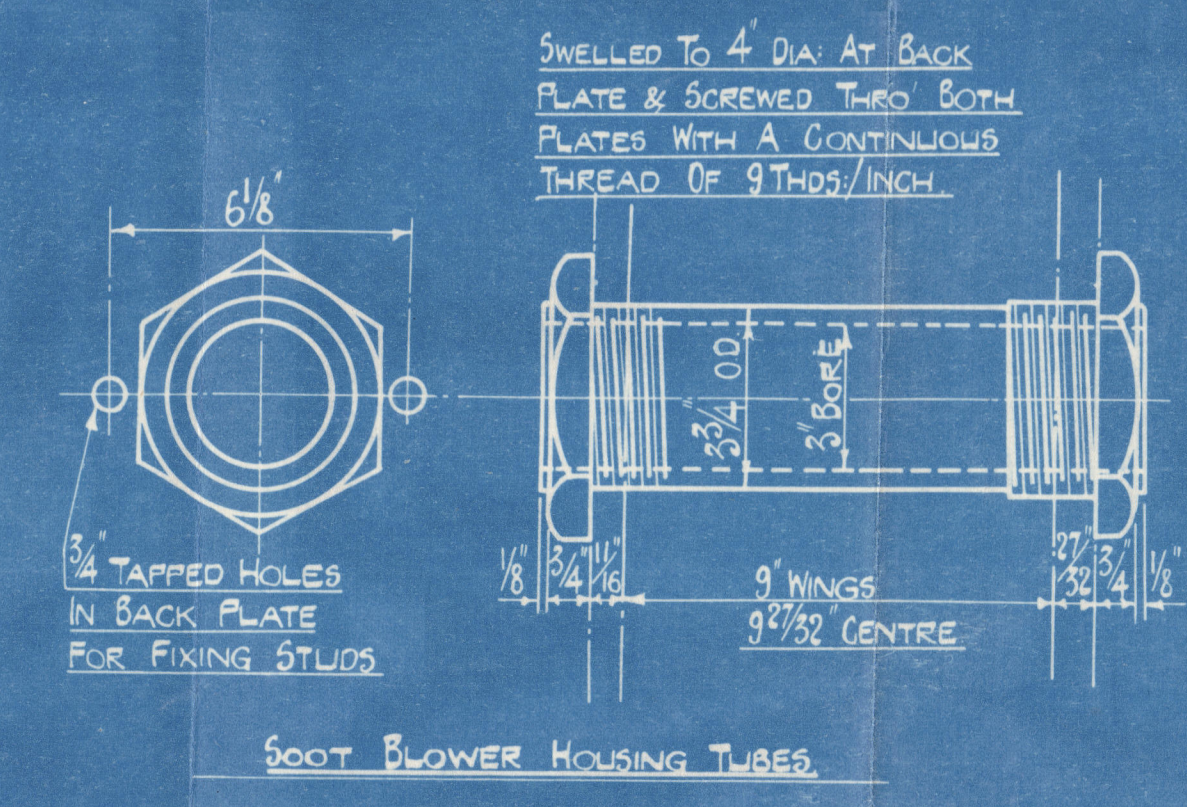
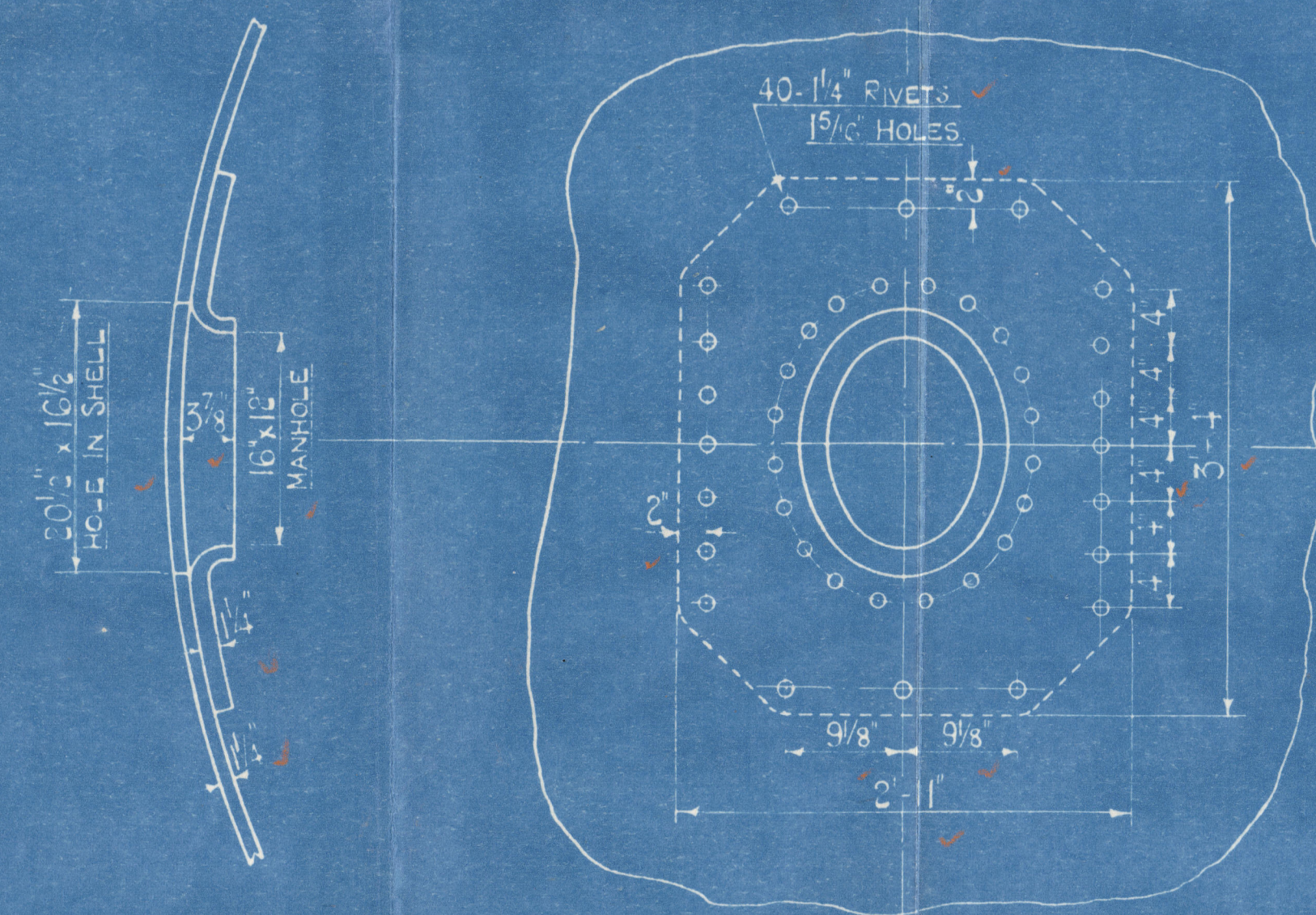
GREENOCK FIRST ENTRY.

REPORT N° 21746.

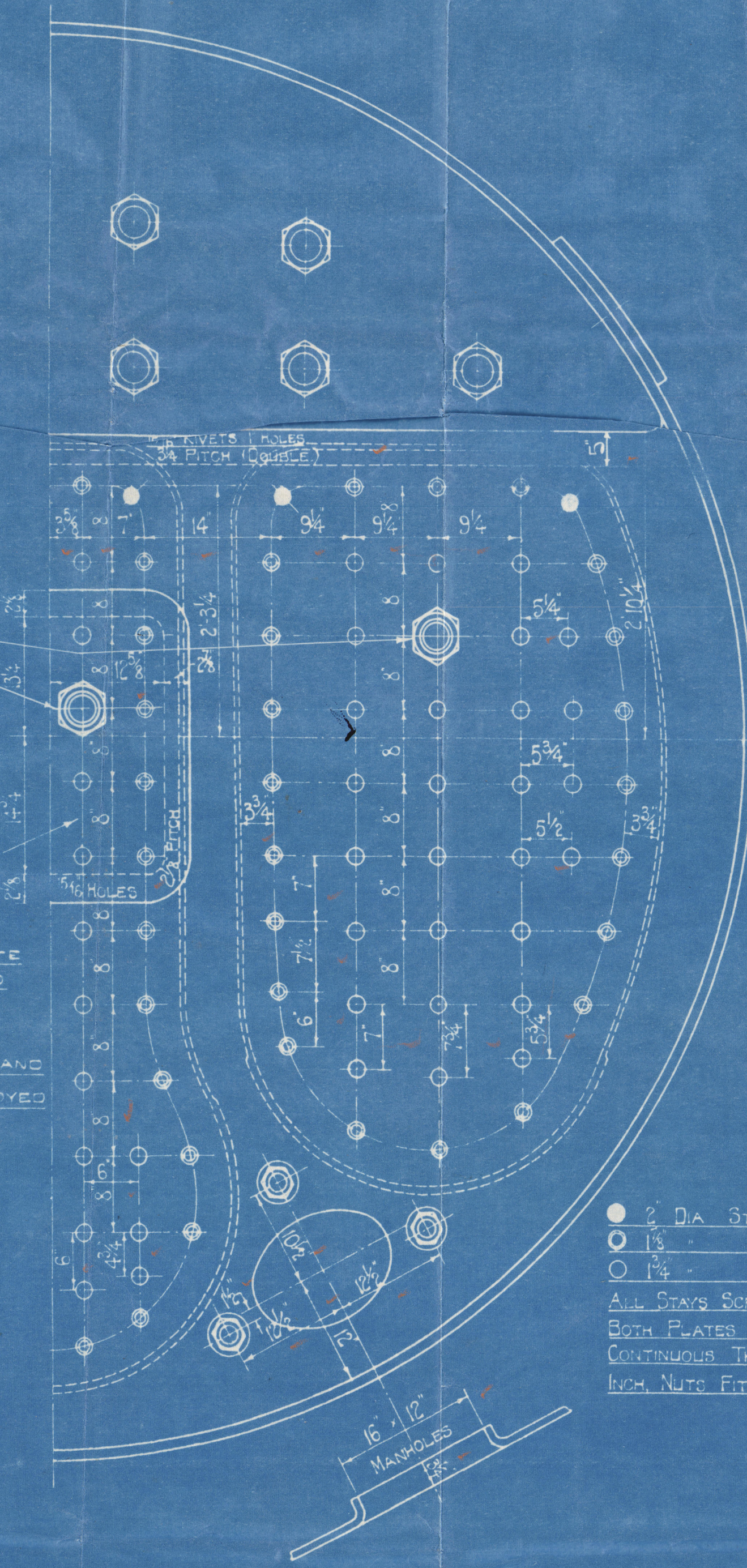
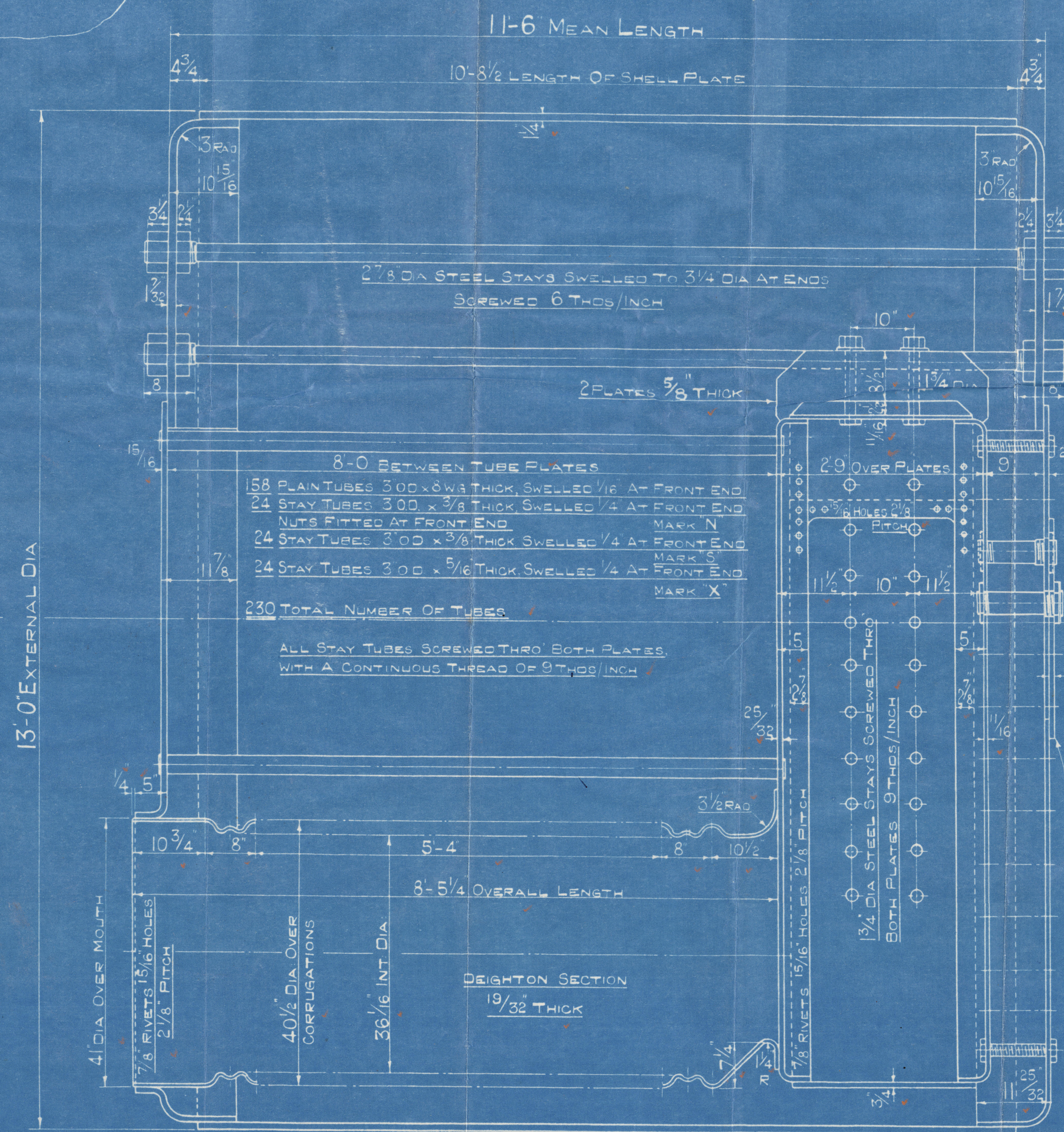
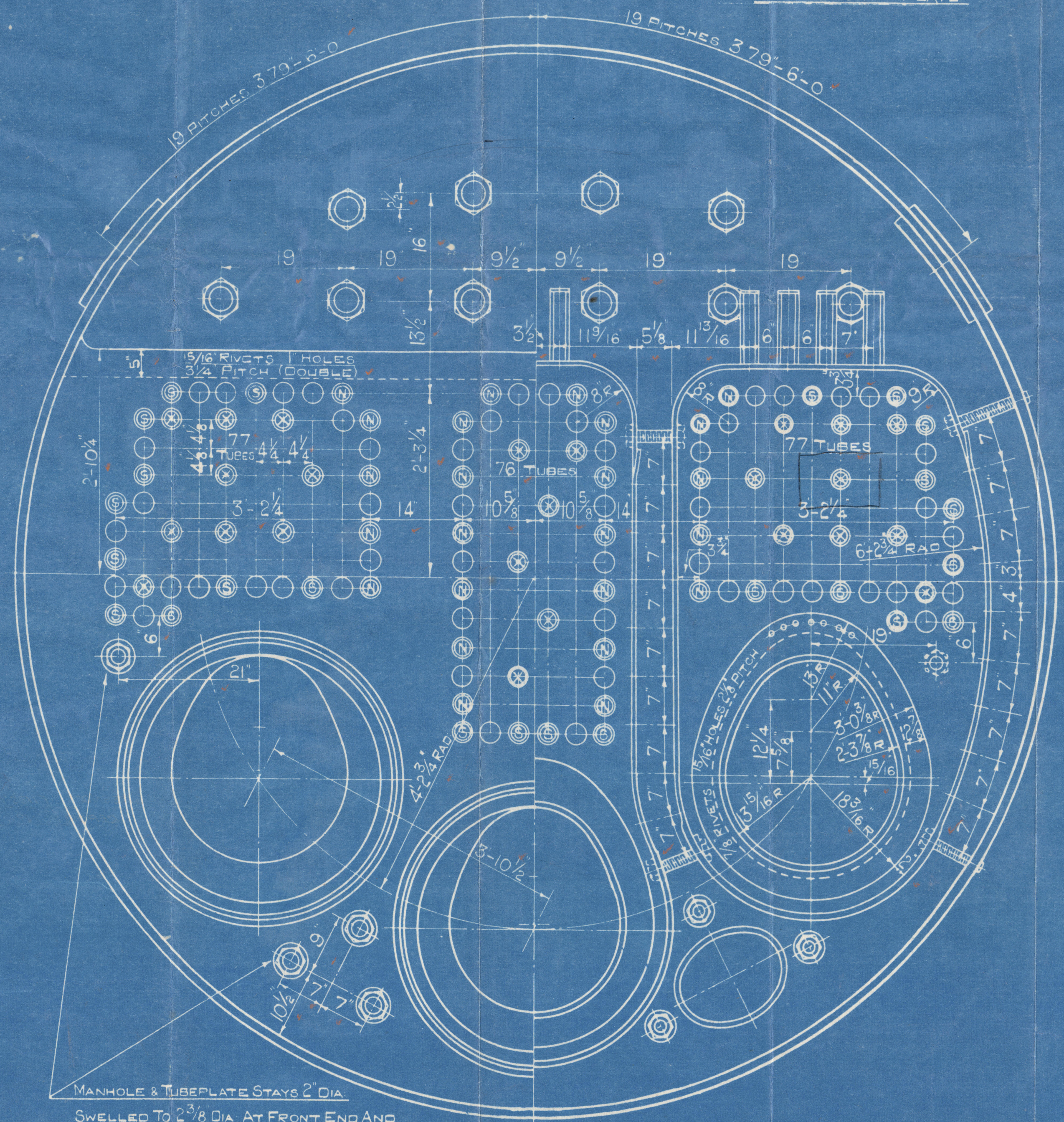
251 Empire Homer

(BC vessel)





BOILER N°	REMARKS
CONTRACT N° 249	
" " 250	
" " 251	



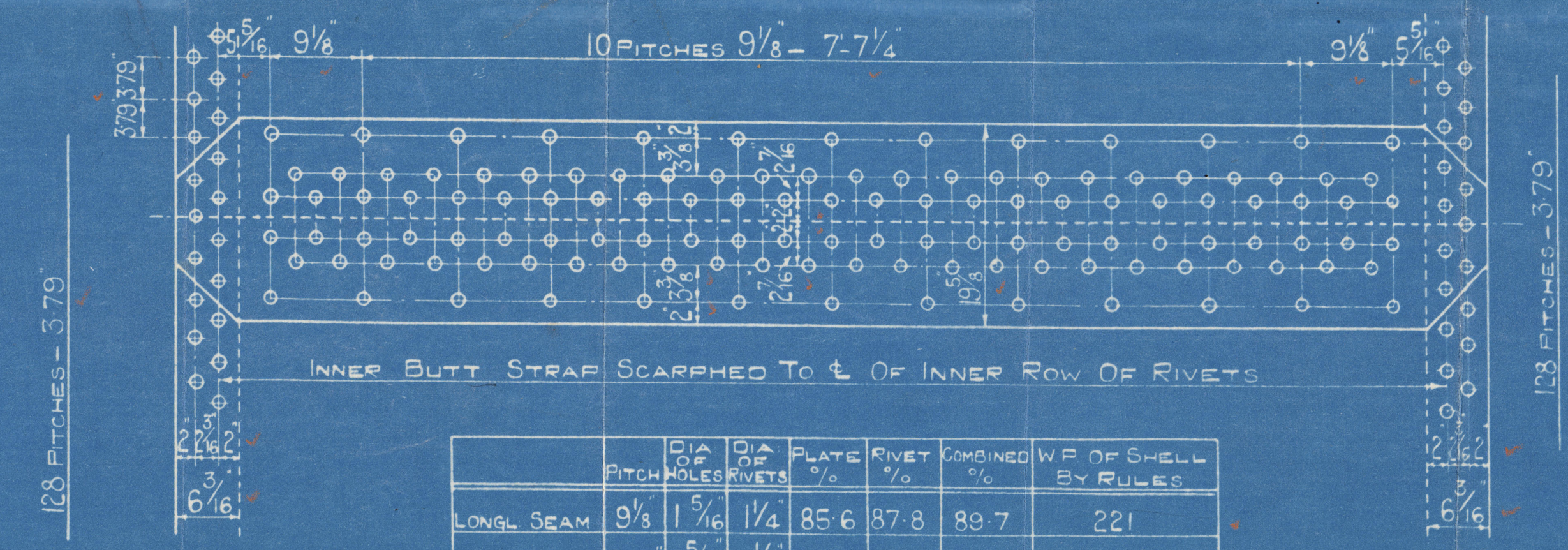
MANHOLE & TUBEPLATE STAYS 2" DIA.
SWELLED TO 2 3/8" DIA. AT FRONT END AND
SCREWED THRO' BOTH PLATES WITH A
CONTINUOUS THREAD OF 6 THDS/INCH

● 2" DIA. STAY
○ 1 1/2"
○ 1 1/4"
○ 1 1/2"
ALL STAYS SCREWED THRO'
BOTH PLATES WITH A
CONTINUOUS THREAD OF 9 THDS/
INCH. NUTS FITTED AT BOTH ENDS.

SURFACES	
HEATING SURFACE - TUBES	1445.9
" - FURNACES	131
" - C.C. TOPS & SIDES	122
" - C.C. BACKS	58
" - TUBEPLATES	30
" - TOTAL	1786
GRATE AREA (5'0" BARS)	45
RATIO HS/GA	33.6

	TENSILE STRENGTH	MATERIAL
SHELL PLATES	28-33 TONS	SIEMENS MARTIN STEEL
BUTT STRAPS	28-33	
MANHOLE COMP. PLATE	28-30	
GIRDER PLATES	28-32	
ALL OTHER PLATES	28-30	
FURNACES	28-30	
LONG. STAY BARS	28-32	
SCREWED STAY BARS	28-30	
RIVET BARS	28-30	

TUBES :- HOT ROLLED WELDLESS STEEL
OR LAPWELDED WROG. IRON



	PITCH	DIA. OF HOLES	DIA. OF RIVETS	PLATE	RIVET	COMBINED	WP OF SHELL
LONG. SEAM	9 1/8	1 5/16	1 1/4	85.6	87.8	88.7	221
CIRCUM. SEAM	3.79	1 5/16	1 1/4	65.3	45.2	—	—

INNER BUTT STRAP - 1 1/8" THICK
OUTER BUTT STRAP - 1" THICK
HYDRAULIC TEST PRESSURE - 380 LBS./SQ. IN.

APPROVED
LLOYD'S REGISTER OF SHIPPING
4th December 1940
DATE 7/2/41

APPROVED BY LLOYD'S 28-12-40

"Y.I." TYPE VESSELS.
AUX: BOILER.

13'-0" EXT. DIA. x 11'-6" MEAN LENGTH. TO PASS LLOYD'S LATEST TESTS
& REQUIREMENTS FOR A WORKING PRESSURE OF 220 LBS./SQ. IN.
N° OFF :- ONE.

SCALE:- 1" = 1 FOOT

DRG. N° 12505

DRG: N° 31A

15186 - 0151

Kincaids 729/30

Lithgens 960/1

Cranchhoff

off _____

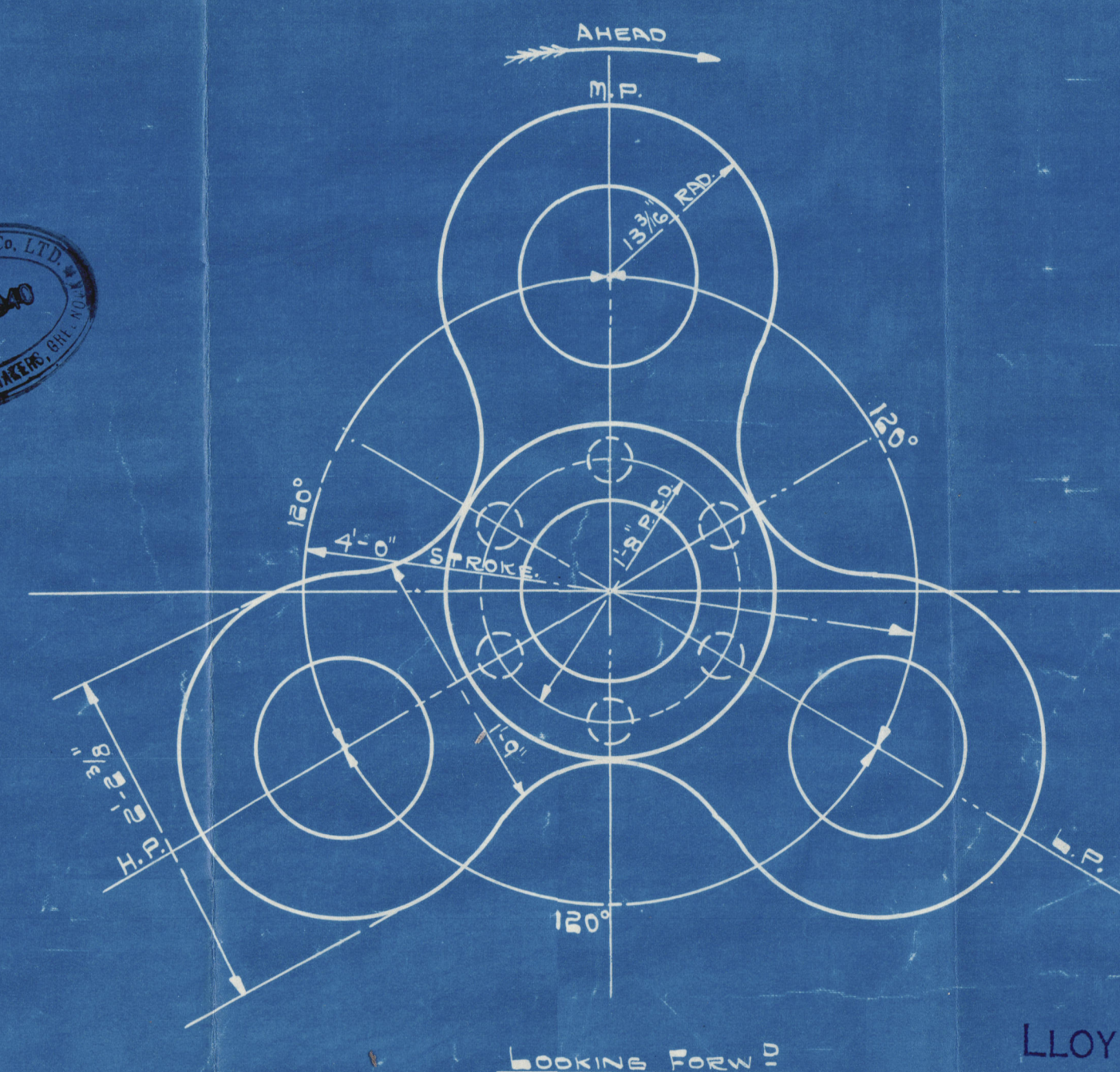
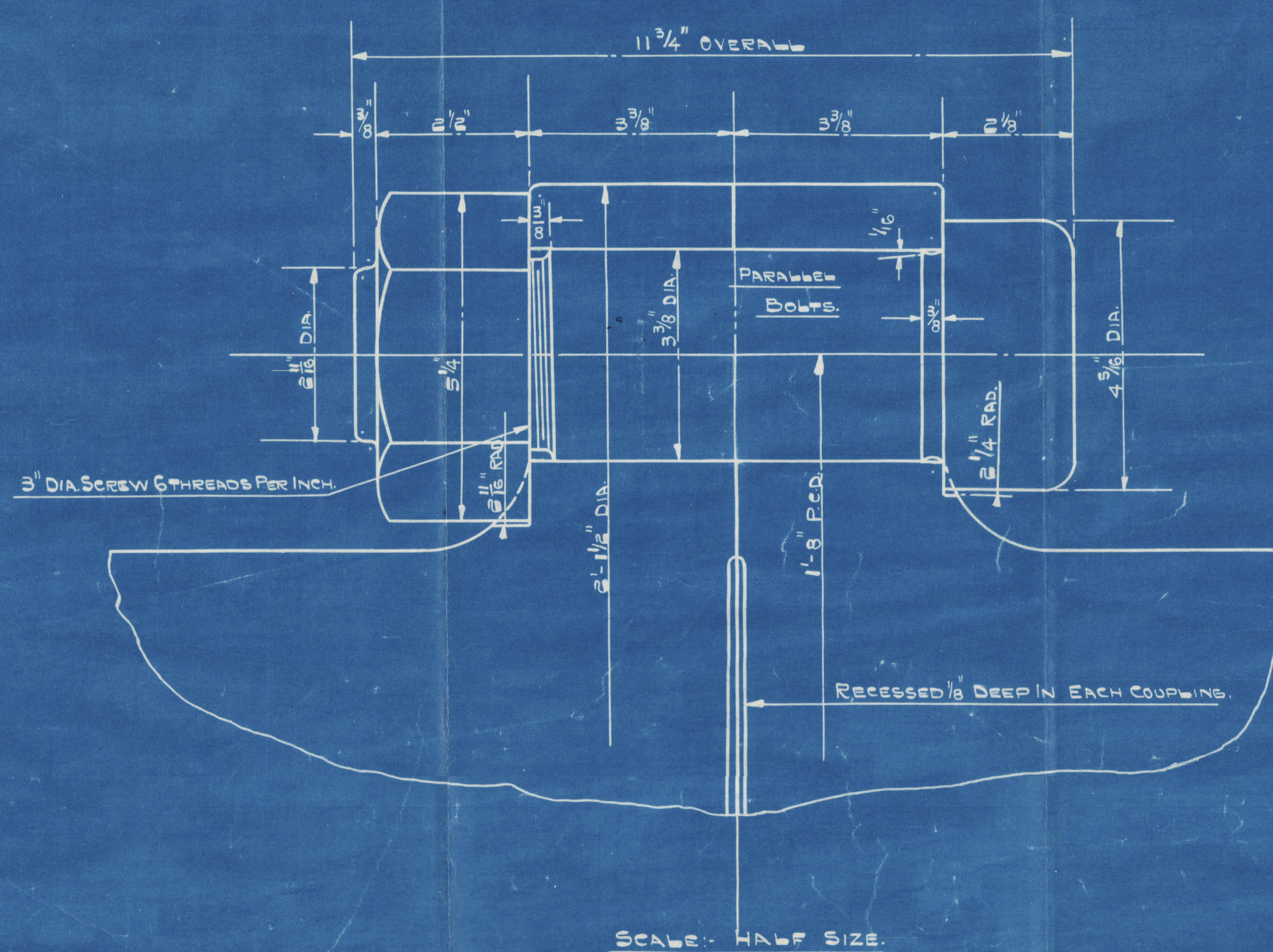
Cranch
Shops

LONDON COPY.

~~GEN. REG. NO.~~

~~152^H~~

RETAIN
1
© 2019
Empire Seal
Lloyd's Register
Foundation
W1186 - 0156



18TH APRIL 1940

J. R. Benevise J. D.
DATE 11/10/4

ENC N° ~~727-728-729-73~~

DRC. N^o. 12003

LONDON COPY

W1186- 0/56

Tart Shaff, etc

GEN BOX NO

152^H

LONDON COPY.

2

Empire Zeal

RETAINED
LR

© 2019

Lloyd's
Foundation

W1186 - 0149

THD

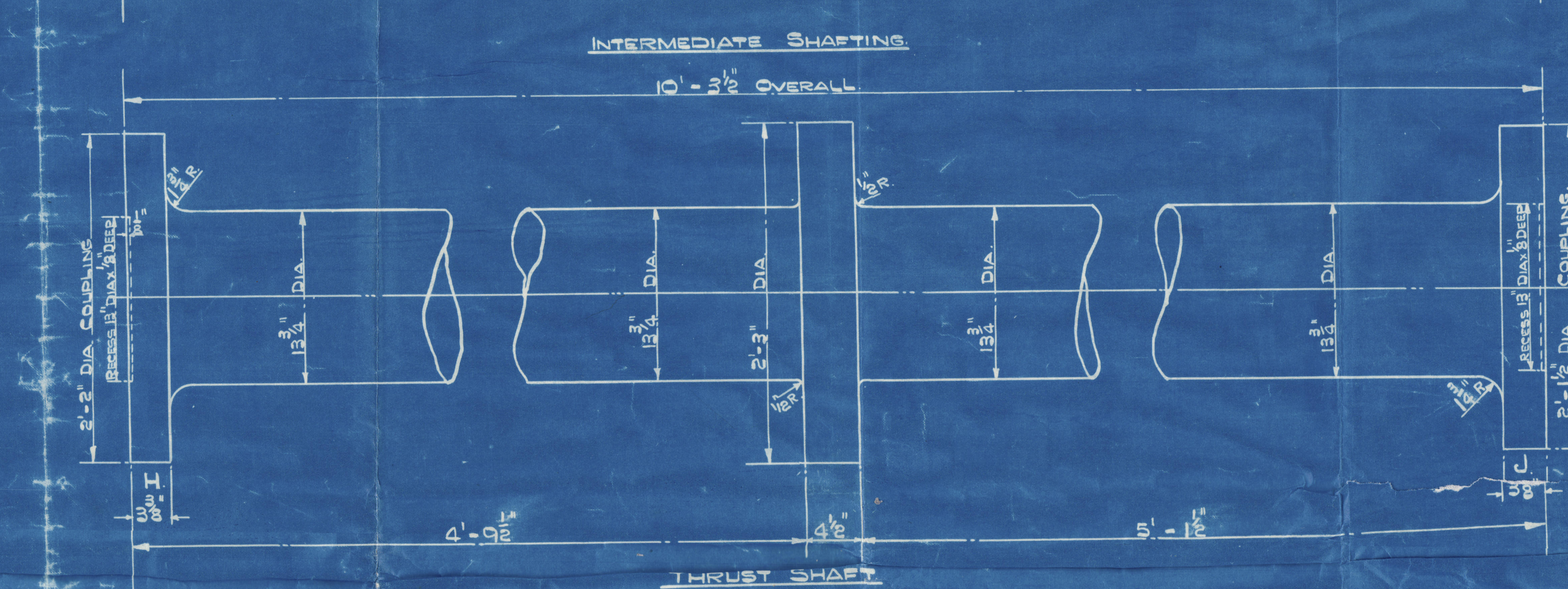
LE FOR 3"
PLT PIN

STOPPE
FOOT.

8-³/₄"
1'-8³/₄"

8-⁵/₈" DIA
1'-7" P.C.

FOR ³/₄" DIA.

[illegible]

NOTE:- SHAFTING TO BE GRAPED IN WAY OF
BEARINGS & COUPLINGS ONLY.
ALL SHAFTING OF FORGED INGOT STEEL.

STERN TUBE & SHAFTING.

ENC NO. ~~729-730~~ 729-730

SCALE:- 1/2" = 1 FOOT & AS MARKED.

24TH MAY 1940.

APPROVED

LYOYD'S REGISTER OF SHIPPING

for discharge 8.0.
Noted DATE 11/10/40
W.C.C.
W.C.C.

DRG. NO. 12044.

Also 969-70-1-2-78-9-80-1-2-90

Y1 + Y2 Type

(8)

LITHGOWS LTD Nos.

957/8/9/60/1/2/3/4/5.

DS. 284

RUDDER

n/n "ACHEO"

<u>Yard No.</u>	<u>Name</u>	<u>First Entry Rpt. No.</u>
957	"EMPIRE RIDLEY"	21638
958	"EMPIRE BAFFIN"	21587
959	"EMPIRE HOWARD"	21645
960	"EMPIRE RANGER"	21746
961	"EMPIRE ZEAL"	21769
962	"EMPIRE SPARTAN"	21797
963	"EMPIRE CONRAD"	21846
964	"EMPIRE PRAIRIE"	21702
965	"EMPIRE ADDISON"	21770

<u>Yard No.</u>	<u>Name</u>	<u>First Entry Rpt. No.</u>
969	"EMPIRE AUSTEN"	21837
970	"EMPIRE GALAHAD"	21915
971	"EMPIRE LANCER"	22086
972	"EMPIRE PENNANT"	22115
973	"COOLGORN"	22116
976	"CAPE HOWE"	22190
977	"EMPIRE TREASURE"	22243
978	"EMPIRE BEATRICE"	22284
979	"EMPIRE BUCKLER"	21969
980	"EMPIRE PIBROCH"	22047
981	"EMPIRE FALSTAFF"	22342
982	"EMPIRE SERVICE"	22374
990	"EMPIRE FLORIZEL"	22357.



© 2020

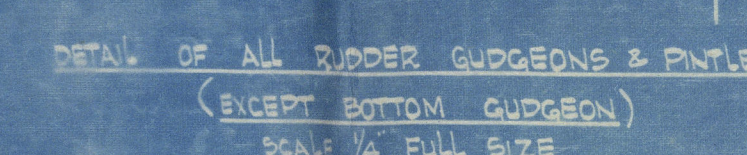
Lloyd's Register
Foundation

005602-005617-0240

S.S. Nos 957-8-9-60-1-2-3-4 & 5.

[illegible]

NOTE:- KEYWAYS CUT SQUARE ENDED
CORNERS NOT TO EXCEED $\frac{1}{4}$ RAD
DEPTH OF KEYS MEASURED
AT SIDES OF KEYWAY.



NOTE:- WHEN FLOATING RUDDER
SLIGHT CLEARANCE TO BE LEFT
BETWEEN BOTTOM OF BOTTOM PINTLE &
BEARING DISC TO ENSURE THAT CARRIER
IS BEARING ENTIRE WEIGHT OF RUDDER